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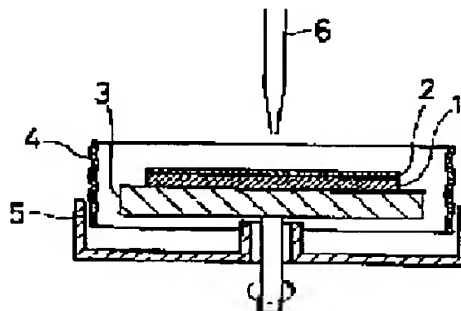
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(54) MANUFACTURE OF SOLID POLYMER TYPE FUEL CELL ELECTRODE

(57)Abstract:

PROBLEM TO BE SOLVED: To uniformly apply an ion exchange resin solution to a conductive sheet preliminarily subjected to water repellent treatment by use of spin coating to exhibit high water repellency in an electrode, and manufacture a high durable electrode.

SOLUTION: A catalyst layer 2 formed of carbon black of conductive powder, platinum of catalyst metal particle, and a water repelling agent is formed on the surface of a carbon sheet subjected to water repellent treatment, and placed on a rotating plate 3. While the rotating plate 3 is rotated at a prescribed speed, an ion exchange resin solution is dropped from a dropping device 6 arranged above the center of the catalyst layer 2, and after the dropping is ended, the rotating plate 3 is rotated at high speed. These application and drying are repeated, whereby the ion exchange resin solution can be uniformly applied to the whole surface of the conductive sheet, and the control of application quantity is also facilitated. Thus, high water repellency in electrode can be exhibited, and the durability of electrode can be also improved.



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